

### **Remarks**

Claims 2-3, 6, 8-9, 11-35, 39, 41-44, and 48-57 are cancelled.

Claims 4, 37, 45, 46, and 58 are amended to correct an obvious typo – “reversal” is changed to “reverse.” Claim 1 is further amended to remove “encoded by the panel of marker genes” which does not have antecedent basis in claim 1. Claim 60 is amended to remove language that has been incorporated into claim 58

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 02-3978.

Respectfully submitted,

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